

Title (en)  
FIBERS FROM PLANT SEEDS AND USE

Title (de)  
FASERN AUS PFLANZENSAMEN UND VERWENDUNG

Title (fr)  
FIBRES DE GRAINES VEGETALES ET LEUR UTILISATION

Publication  
**EP 1238141 A1 20020911 (EN)**

Application  
**EP 00970855 A 20001013**

Priority  
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Abstract (en)  
[origin: WO0129308A1] The disclosed provides a process of modifying a seed based fiber (SBF) to form an enhanced fiber additive (EFA). The process includes an acid treatment step and optionally at least one fiber modification step. Preferred EFA products and uses are described.

IPC 1-7  
**D21C 5/00**; **D21C 3/04**; **D21H 11/12**; **A23L 1/308**; **A23L 1/10**; **A23L 1/314**; **A21D 2/18**; **C08B 30/10**

IPC 8 full level  
**A21D 2/18** (2006.01); **A23L 1/308** (2006.01); **A23L 7/10** (2016.01); **A23L 11/00** (2016.01); **A23L 13/40** (2016.01); **A23L 23/00** (2016.01); **A23L 25/00** (2016.01); **A23L 27/60** (2016.01); **C08B 30/10** (2006.01); **C08L 5/14** (2006.01); **D21C 3/04** (2006.01); **D21C 5/00** (2006.01); **D21C 9/14** (2006.01); **D21C 9/16** (2006.01); **D21H 11/12** (2006.01); **D21H 17/02** (2006.01); **D21H 11/20** (2006.01); **D21H 21/52** (2006.01)

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Cited by  
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**WO 0129308 A1 20010426**; **WO 0129308 A8 20011025**; AT E314522 T1 20060115; AU 778114 B2 20041118; AU 8017400 A 20010430; BR 0014767 A 20020917; BR 0014767 B1 20101228; CA 2387822 A1 20010426; CA 2387822 C 20110104; CN 100392179 C 20080604; CN 1402803 A 20030312; DE 60025265 D1 20060202; DE 60025265 T2 20060803; EP 1238141 A1 20020911; EP 1238141 B1 20051228; ES 2254240 T3 20060616; JP 2003512539 A 20030402; JP 4803936 B2 20111026; KR 20020047239 A 20020621; MX PA02003795 A 20021213; NO 20021756 D0 20020412; NO 20021756 L 20020614; PL 355108 A1 20040405; PT 1238141 E 20060531; RU 2278914 C2 20060627; TR 200201034 T2 20020821; TR 200202804 T2 20030321; TR 200202805 T2 20030321; US 2005067124 A1 20050331; US 2005183836 A1 20050825; US 2005191400 A1 20050901; US 2008110585 A1 20080515; US 2011226429 A1 20110922; US 2012328758 A1 20121227; US 6902649 B1 20050607; US 7837830 B2 20101123; US 8287691 B2 20121016; US 8308901 B2 20121113

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